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*Intranet*  
*extranet*

L1: Entry 2 of 318

File: USPT

Apr 8, 2003

DOCUMENT-IDENTIFIER: US 6546005 B1

TITLE: Active user registry

Brief Summary Text (10):

Several alternate forms of communication have developed which utilize either the POTS network or packet networks (and sometimes both). For example, facsimile (fax) communication is now a commonplace option for transmitting copies of documents over the POTS network. Electronic messaging (e.g., e-mail) is a growing phenomenon for those who use a packet network, particularly the Internet, for communications. In addition, many companies today are using packet networks, locally or internally within the company, which are modeled in functionality based upon the Internet. These packet networks, denoted "intranets," are typically private networks owned or controlled by the company or corporate user. Intranets are compatible with the Internet Protocol (IP), and often the same software used in connection with the Internet (e.g., Web browsers) is also used in connection with intranets. Intranet networks are often established to connect to the Internet through a firewall (i.e., a hardware/software combination designed to restrict unauthorized access to the intranet from the outside world).

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L3: Entry 5 of 26

File: USPT

Sep 17, 2002

DOCUMENT-IDENTIFIER: US 6453353 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Role-based navigation of information resources

Detailed Description Text (5):

In one embodiment, all the components are stored on and executed by one physical server or computer. In alternate embodiments, one or more components are installed on separate computers; this approach may improve security and performance. For example, Registry Server 108 may be part of a secure Intranet that is protected using a firewall 118, and Access Server 106 may be located on an extranet for access by users inside and outside the enterprise. Further, there may be more than one Registry Server 108 in a mirrored or replicated configuration. Each Access Server 106 may be coupled to more than one Registry Server 108 so that a particular Access Server 106 can communicate with a second Registry Server 108 if a first one is busy or unavailable. Each Registry Server 108 may be coupled to or support more than one Access Server 106. Each Registry Server 108 may execute operations using multiple execution threads, in which access of each thread to Registry Repository 110 is managed by the Access Control Library.

Detailed Description Text (139):

In this context, the Internet is that part of the network that is considered untrusted. The extranet is the network between the soft and hard firewalls and the Intranet is the most secure part of the network, located behind the hard firewall. A company's public access web server will generally be placed on the Internet. Services accessible to users inside and outside the enterprise, for example protected resources and the Access Server should be placed on the more secure Extranet while internal services and the Registry Server should be secured in the Intranet.

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L1: Entry 1 of 318

File: USPT

Apr 8, 2003

DOCUMENT-IDENTIFIER: US 6546486 B1

TITLE: Content screening with end-to-end encryption within a firewall

Detailed Description Text (9):

Network 109 is a "protected" network that resides on the other side of firewall 106 from public network 104. Network 109 can include any type of wire or wireless communication channel capable of coupling together computing nodes. This includes, but is not limited to, a local area network, a wide area network, or a combination of networks. Note that all communications from network 104 into network 109 pass through firewall 106. In one embodiment, protected network 109 is a corporate "intranet" that couples together computer systems within a business organization, and public network 104 is the Internet.

(FILE 'HOME' ENTERED AT 10:41:12 ON 16 JAN 2002)

FILE 'USPATFULL' ENTERED AT 10:41:28 ON 16 JAN 2002

L1	2637	S	PREPAID OR PRE(3W)PAID OR PREPAY? OR PRE(3W)PAY?
L2	140820	S	TRANSACTION? OR PURCHAS? OR COMMERCE?
L3	825	S	L1(P)L2
L4	133406	S	BUYER? OR CONSUMER? OR CUSTOMER?
L5	570	S	L3 AND L4
L6	21208	S	MERCHANT? OR SELLER? OR VENDOR?
L7	300	S	L5 AND L6
L8	25732	S	INTERNET OR WORLD(4A)WEB? OR WEB(4A)(PAGE? OR SITE? OR
BROWSE			
L9	177	S	L7 AND L8
L10	2751	S	ACCOUNT?(5A)BALANCE

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(FILE 'HOME' ENTERED AT 10:41:12 ON 16 JAN 2002)

FILE 'USPATFULL' ENTERED AT 10:41:28 ON 16 JAN 2002

L1 2637 S PREPAID OR PRE(3W)PAID OR PREPAY? OR PRE(3W)PAY?  
L2 140820 S TRANSACTION? OR PURCHAS? OR COMMERCE?  
L3 825 S L1(P)L2  
L4 133406 S BUYER? OR CONSUMER? OR CUSTOMER?  
L5 570 S L3 AND L4  
L6 21208 S MERCHANT? OR SELLER? OR VENDOR?  
L7 300 S L5 AND L6  
L8 25732 S INTERNET OR WORLD(4A)WEB? OR WEB(4A) (PAGE? OR SITE? OR  
BROWSE  
L9 177 S L7 AND L8  
L10 2751 S ACCOUNT?(5A)BALANCE  
L11 77 S L10 AND L9

FILE 'USPATFULL' ENTERED AT 12:13:20 ON 16 JAN 2002

L12 0 S INTERNET(3A)BILLING/YI  
L13 7 S INTERNET(3A)BILLING/TI  
L14 159 S INTERNET(3W)ACCOUNT#  
L15 54 S INTERNET(W)ACCOUNT#

FILE 'USPATFULL' ENTERED AT 13:07:35 ON 16 JAN 2002

L16 170 S (CHILD OR CHILDREN) (5A)ACCOUNT#  
L17 81 S PARENT# (5A)ACCOUNT#  
L18 30 S L16 AND L17  
L19 121 S INTERNET(2W)ACCOUNT#  
L20 36 S L19 AND L4 AND L6  
L21 10 S L20 AND L10  
L22 159 S L1(P)L6  
L23 305055 S CARD# OR ACCOUNT#  
L24 127 S L22(P)L23

L11 ANSWER 1 OF 110 USPATFULL  
AN 2002:4556 USPATFULL  
TI Method and apparatus for conducting electronic commerce transactions  
using electronic tokens  
IN Ling, Marvin T., Scottsdale, AZ, UNITED STATES  
PI US 2002002538 A1 20020103  
AI US 2001-753784 A1 20010102 (9)  
RLI Continuation-in-part of Ser. No. US 2000-665237, filed on 18 Sep 2000,  
PENDING Continuation-in-part of Ser. No. US 2000-553695, filed on 21  
Apr 2000, PENDING  
PRAI US 2000-178239 20000126 (60)  
DT Utility  
FS APPLICATION  
LREP FISH & NEAVE, 1251 AVENUE OF THE AMERICAS, 50TH FLOOR, NEW YORK, NY,  
10020-1105  
CLMN Number of Claims: 42  
ECL Exemplary Claim: 1  
DRWN 24 Drawing Page(s)  
AB Methods and apparatus for conducting electronic commerce using  
electronic tokens are described. The electronic tokens are issued and  
maintained by a **vendor**, who also provides products and  
services that can be purchased or rented using the electronic tokens.  
The electronic tokens may be purchased from the **vendor** either  
on-line, using a credit card, or off-line, using a check, money order,  
purchase order, or other payment means. Because the **vendor** is  
the issuer of the electronic tokens, there is no need for transactions  
to be handled by a third party, such as a bank or other organization.  
This reduces the overhead involved in conducting electronic commerce,  
and provides the **vendor** with a greater amount of control.  
Additionally, the **vendor** maintains total control over the  
price of the electronic tokens at any time. For **vendors** who  
offer software products for sale or rental, use of electronic tokens  
makes a variety of rental arrangements practical. Additionally, a  
**user** registers and purchases electronic tokens at the  
**vendor**. The **user** may purchase products at any other  
**vendors** who conduct electronic commerce using electronic tokens.

L11 ANSWER 3 OF 110 USPATFULL  
ACCESSION NUMBER: 2002:1811 USPATFULL  
TITLE: System and method for pre-paid and pay-per-use  
**internet** services  
INVENTOR(S): Malik, Dale W., Dunwoody, GA, United States  
PATENT ASSIGNEE(S): BellSouth Intellectual Property Corporation,  
Wilmington, DE, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6335968	B1	20020101
APPLICATION INFO.:	US 1999-409686		19990930 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Kuntz, Curtis		
ASSISTANT EXAMINER:	Barnie, Rexford		
LEGAL REPRESENTATIVE:	Shaw Pittman LLP		
NUMBER OF CLAIMS:	15		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	4 Drawing Figure(s); 4 Drawing Page(s)		
LINE COU			

L11 ANSWER 90 OF 110 USPATFULL  
 ACCESSION NUMBER: 1999:70480 USPATFULL  
 TITLE: Computer network debit disk used for prepayment to  
 transfer information from a central computer  
 INVENTOR(S): Berlin, Howard, San Diego, CA, United States  
 Bochsler, Jack W., San Diego, CA, United States  
 PATENT ASSIGNEE(S): Howard Berlin, San Diego, CA, United States (U.S.  
 corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5915093		19990622
APPLICATION INFO.:	US 1997-845590		19970424 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Maung, Zarni		
ASSISTANT EXAMINER:	Winder, Patrice L.		
LEGAL REPRESENTATIVE:	Brown, Martin, Haller & McClain		
NUMBER OF CLAIMS:	20		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	7 Drawing Figure(s); 7 Drawing Page(s)		
LINE COU			